

# USB Type-C ENGINEERING CHANGE NOTICE

**Title: USB Type-C ECR for Cable Flexing requirements**  
**Applied to: USB Type-C Specification Release 2.0, August 2019**

<b>Brief description of the functional changes proposed:</b>
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Increase the USB Type-C to cable assembly flexing test from 100 cycles to 500 cycles.
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<b>Benefits as a result of the proposed changes:</b>
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The 100 cycle test is not sufficient to test for bad strain relief designs.
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<b>An assessment of the impact to the existing revision and systems that currently conform to the USB specification:</b>
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N/A
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<b>An analysis of the hardware implications:</b>
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N/A
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<b>An analysis of the software implications:</b>
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N/A
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<b>An analysis of the compliance testing implications:</b>
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Increase the test from 100 cycles to 500 cycles. Minimal impact to total time of compliance testing.
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## Actual Change Requested

### (a). Section 3.8.1.4, Page 126

#### From Text:

No physical damage or discontinuity over 1ms during flexing shall occur to the cable assembly with Dimension X = 3.7 times the cable diameter and 100 cycles in each of two planes.

#### To Text:

No physical damage or discontinuity over 1ms during flexing shall occur to the cable assembly with Dimension X = 3.7 times the cable diameter and ~~100~~500 cycles in each of two planes.